

Chemistry:

Q 1. Use the following link to answer the given questions:

Link: <https://m.youtube.com/watch?v=EwzkYTfHF60>

- (1) What types of changes occur during states of matter?
 - (2) Name the processes and define which are involved in the conversion of:
(a) solid to liquid (b) liquid to gas (c) gas to liquid
(d) liquid to solid (e) solid to gas
 - (3) Which state of matter possess most and which possess least kinetic energy?
 - (4) How can gas be converted into liquid by temperature changes?
 - (5) Differentiate between vaporization and boiling.
- Q 2. Print hard copy of a worksheet given in the following link and solve it.
Link: <https://www.tes.com/teaching-resource/gas-collection-and-tests-fill-in-the-blanks-Worksheet-11372791>
- Q 3. Prepare an assignment comprises of 2 to 3 pages on the topic of "Structure of Atom".

Physics:

Topic 1. "On July 30, 2016, skydiver Luke Akins jumped from 25,000 feet without a parachute or wing suit on live TV."

Keeping in mind the above scenario, explain what essential forces are needed for a safe landing on earth and how Luke landed safely. You can take help from any book or internet but you must mention the source of information on the last page of project.

Topic 2: It is our common observation that some objects float and some sink in water. You should design a process to explain phenomenon of floating and sinking. You must draw clear drawings or design a process physically to explain your answer.

Mathematics:-

Unit # 1: H.C.F & L.C.M

Workbook 1: Page # 2 Qs: 36 to 43

Unit # 2: Algebra

Workbook 1: Page # 38 Qs: 67 to 72 (Factors)

Unit # 3: Rate, Ratio, Speed

Workbook 1: Page # 86 Qs: 51, 52 (All parts)

Review (Ch. # 10) Page # 245 Qs: 1, 2, 3, 4

Unit # 4: Graphs

Workbook 1: Page # 101 Qs: 9, 10 (graph)

Review (Ch. # 12) Page # 288 Qs: 4

Unit # 5: Statistics

Workbook 1: Page # 110 Qs: 16 and 17 Page # 112 Qs: 23, 24

Review (Ch. # 13) Page # 322 Qs: 1, 2

Unit # 6: Geometry

Workbook 1: Page # 119 Qs: 1, 2, 3 Page # 120 Qs: 7, 8, 9, 12, 13

Unit # 7: Polygon

Review (Ch. # 15) Page # 378 Qs: 2 (All parts) Page # 379 Qs: 3 (All parts)

Book D'2

Unit # 8: Congruency and Similarity

Workbook 2: Page # 2 Q: 5 (All parts) Page # 5 Q: 10

Unit # 9: (a) Scale and Map

Workbook 2: Page # 5 Qs: 11, 14 Page # 6 Qs: 25, 26

(b) Direct & Increase Profit)

Workbook 2: Page # 19 Qs: 2, 4 Page # 21 Qs: 21, 23

Unit # 10: Algebra

Workbook 2: Page # 31 Qs: 28, 29, 30, 31